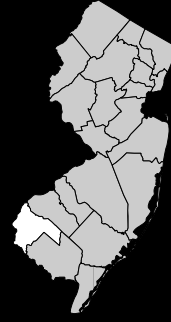


Salem County



SALEM

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661 South Broad Street	239

661 South Broad Street

661 South Broad Street

Pennsville Township

Salem County

BLOCK: 546 **LOT:** 5

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Gasoline Service Station
OPERATION STATUS: Inactive

PROPERTY SIZE: 0.25 Acre

SURROUNDING LAND USE: Residential/Agricultural

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Treating

Soil

Petroleum Hydrocarbons

Removed

FUNDING SOURCES

1986 Bond Fund













AMOUNT AUTHORIZED

\$145,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Contamination was first detected at this site in 1990, when gasoline vapors were encountered while a sewer line was being installed in front of the property. The sources of the gasoline vapors were determined to be two leaking underground gasoline storage tanks that remained from when the site was a gasoline station. NJDEP excavated and disposed of the tanks and 200 tons of gasoline-contaminated soil in 1995.

Between 1995 and 1997, NJDEP conducted a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the extent of the contamination at the site and identify cleanup options. The RI/RAS revealed that a significant volume of gasoline-contaminated soil remained at the site. The RI/RAS also revealed that elevated levels of volatile organic compounds were present in the on-site ground water, but the contamination did not extend beyond the boundaries of the property. NJDEP subsequently excavated and disposed of an additional 1145 tons of contaminated soil and backfilled the site with clean material. In October 1999, NJDEP initiated oxygen-enhanced bioremediation to address the contaminated ground water. Under this remedy, NJDEP will periodically add oxygen-releasing pellets to the on-site monitor wells to stimulate the growth of naturally occurring microorganism in the shallow aquifer, which will aid in the natural biodegradation of the volatile organic compounds in the ground water. The oxygen-enhanced bioremediation process is expected to reduce the ground water contamination to levels within New Jersey Drinking Water Standards in approximately five years. NJDEP will sample the ground water at the site on a regular basis to monitor the plume and evaluate the effectiveness of the remedy.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
UST & Soil Removal					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

